

Interim Release 1 (Ir1) Status

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Agenda



Purpose of Ir1

Status

Schedule

Risk Reduction



Purpose of Ir1

Interim Release 1, Ir1 (a.k.a. TRMM Infrastructure Release) is a Release A precursor deployed to selected ECS sites to support:

- **Early TRMM & EOS AM-1 science software I&T at 4 DAACs**
 - **Provide environment to support science software development**
 - **Test portability of Science Software to DAAC environment**
 - **Refine the integration and test process**
 - **Test compatibility of SCF toolkit with the DAAC toolkit**
- **Early TRMM-ECS interface integration and testing**
 - **Test CERES & LIS L0 ingest from SDPF at LaRC and MSFC**
 - **Test L1 and other TRMM data ingest/output with TSDIS at GSFC and MSFC DAACs**
 - **Test NOAA/NESDIS and DAO ingest interfaces**
- **Verification of the ECS communications and management infrastructure**

Status



Dedicated Ir1 team formed (late March)

Objectives, services, COTS selections, architecture, FAQ and schedule summarized in “Ir1 Mission Statement” (April & August)

Key change since PDR was implementation of PDPS prototype based on selected Release A COTS scheduling package

Refined Ir1 requirements allocations based upon post-PDR ECS Release Plan update and PDR RIDs (April)

Conducted detailed software design inspections (April-June)

Detailed Ir1 software designs coordinated with Release A developers in support of CDR to promote maximum code reuse (July-August)

Conducted software code inspections (July-October)

Ir1-to-Release A transition plan proposed to ESDIS (late September)

Status (Continued)



Ir1 COTS procurement completed (September)

COTS integration involved integration of 32 software packages on 5 Unix platforms (September-October)

Code and unit test completed with about 40,000 lines--75,000 lines including SDP Toolkits--of developed code (October)

Now undergoing software integration and test--about 35% complete--(early November)

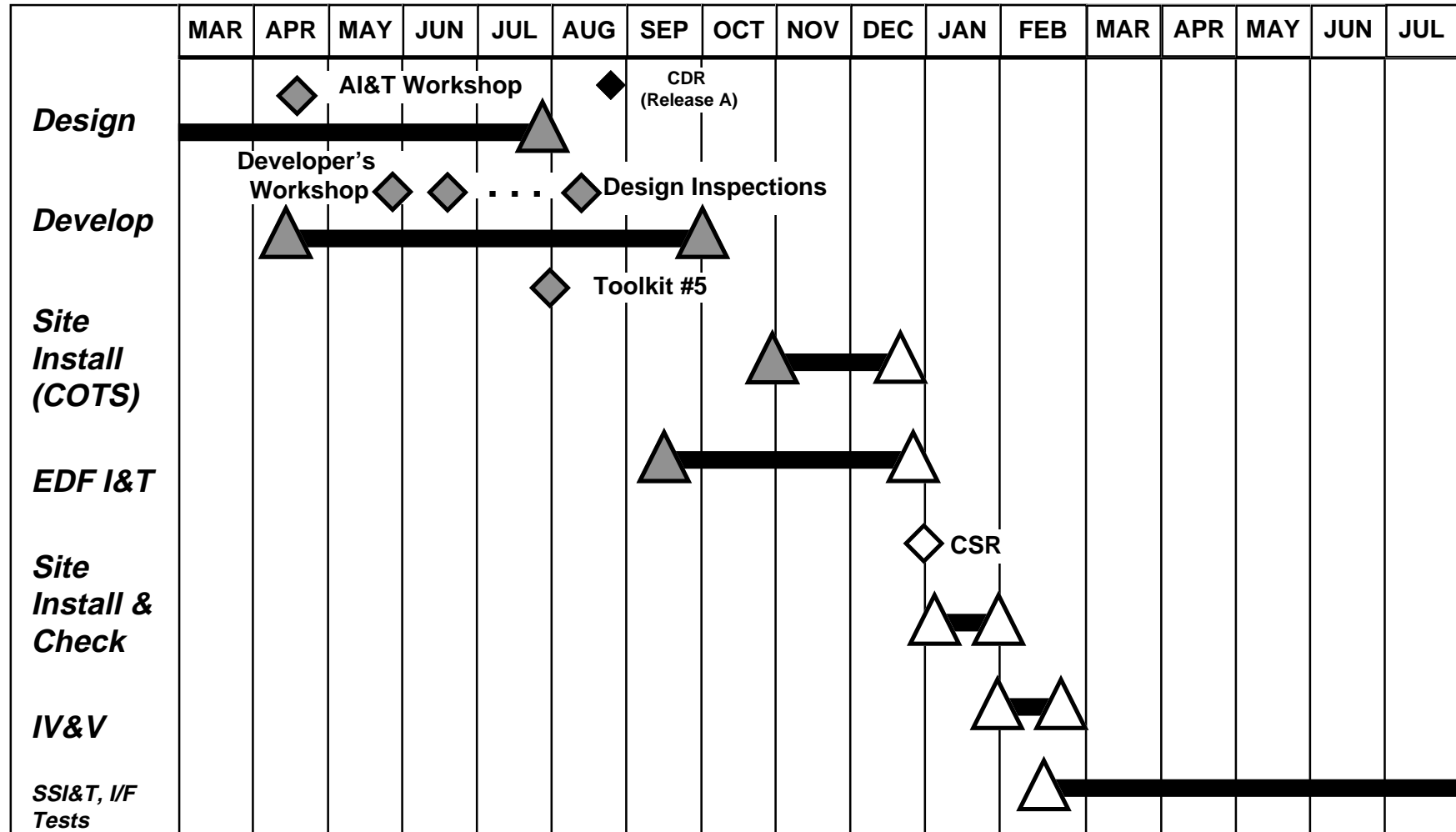
COTS installations progressing at sites (November-December)

Consent-to-Ship Review (CSR) on schedule (late December)

Custom installation and checkout at sites on schedule (January)



Interim Release 1 (Ir1) Schedule





Ir1 Mitigates Risk for Later Releases

Ir1 implements a first installment of ECS Release A to reduce schedule/technical risk

- **Prototype PDPS based on COTS selected for Release A***
- **TRMM/other external interfaces developed and tested ahead of Release A reuse**
- **Developmental items make first system-wide use of distributed ECS infrastructure services**
- **Management system sees first use to monitor ECS site installations**

Ir1 provides essential lessons-learned and process shakedown ahead of Release A

- **Moderate scale software development / Large scale COTS integration**
- **Science software I&T process and procedures***
- **Procurement, development, system integration and test**
- **System assembly, shipping, and installation**
- **Training and M&O documentation**
- **External coordination with SCFs, DAACs, ESDIS, IV&V, and TRMM Project**

*** IDR Demonstration**